

Title (en)
System for transporting a cryogenic medium

Title (de)
System für den Transport von tiefgekühlten Medien

Title (fr)
Système pour le transport de fluides cryogéniques

Publication
EP 1921365 A1 20080514 (EN)

Application
EP 06123678 A 20061108

Priority
EP 06123678 A 20061108

Abstract (en)
A system for transporting a cryogenic medium from a first container for the cryogenic medium to a second container or an installation for the cryogenic medium, using a transmission line (1) extending between the container(s), which transmission line (1) comprises an inner tube (2) and an outer tube (3), which are concentrically arranged relative to each other, which inner tube (2) functions to transport the cryogenic medium, whilst a space (4) of annular cross-section is present between the inner (2) and the outer tube (3), and which outer tube (3) is thermally insulated from the inner tube (2) by thermal means present in said annular space (4), and which transmission line (1) comprises compensation means (6,7,8) capable of compensating for shrinkage resulting from a difference in temperature between the cryogenic medium and the environment, a special feature being the fact that the compensation means (6,7,8) comprise a rigid connection of ends of the outer tube (3) to the inner tube (2) so as to prevent local plastic deformation of the inner tube (2) upon elongation thereof, which connection is more rigid than the inner tube (2).

IPC 8 full level
F16L 59/14 (2006.01)

CPC (source: EP)
F16L 59/123 (2013.01); **F16L 59/141** (2013.01)

Citation (search report)
• [XY] DE 2431820 A1 19760115 - FOUNDATION CRYOGENIC JOINT VEN
• [Y] EP 1363062 A1 20031119 - NEXANS [FR]

Cited by
CN109578752A; EP3690348A1

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